

Restoring Power in a Hot Swappable Multi-Server Data Processing Environment

ABSTRACT

5 A data processing network includes a set of servers, at least one switch module to interconnect the servers, and a management module. The management module consults power state information stored in the network following a power transition and restores power to at least some of the servers and switch modules based on the power state information. The power state information prevents the management module from restoring power to servers and switch
10 modules having incompatible communication protocols. In one embodiment, the plurality of servers and the switch modules are hot-swappable modules that are all inserted into a single chassis. In this embodiment, the server modules and at least one switch module share selected resources of the network including system power. The switch modules and servers may employ Ethernet, fibre channel, optical, and serial communication protocols.